WQB "Wide Aperture Quad" for Main Injector

5 January 2006, 9:00 AM
IB2 conference room

Attendees: Bruce Brown, Weiren Chou, TJ Gardner, Dave Harding, Bill Robotham, Mike Tartaglia

Measurements

Mike presented the production measurements from WQB003 which match 002 very closely. As additional magnets are measured, a summary chart depicting deviations from magnet to magnet will be developed.

Bruce will make the appropriate entries in Sybase to flag the production measurements as such.

Mike will work with Hank to understand and complete the last bit of analysis on the trim coil data. Dave would like to do a fresh set of trim coil measurements using a consistent set of procedures once the seven magnets for installation have had their production measurements. This can be done on any magnet.

Dave will propose a list of topics that should be documented in one or more technical notes about the WBQ magnets and then manage the writing.

Design issues

In response to a request from AD/EES, the junction box for the trim coil connection is being moved from the wall side to the aisle side of the magnets.

Fabrication

-WQB001 Physically complete. Will get production measurements at MTF
-WQB002 Complete. Expect to ship to MI-60 Friday, 6 January 2006
-WQB003 Complete. Expect to ship to MI-60 Friday, 6 January 2006
-WQB004 at MTF, then move trim coil junction box
-WQB005 Physically complete and currently being measured at MTF
-WQB006 Physically complete. Needs production measurements
-WQB007 Needs manifold protection and stickers, then MTF
-WQB008 All coils potted. Will start stacking cores following another job
-WQB009 All coils wrapped.

Schedule

Magnets WQB002 and 003 will be shipped 6 January 2006. This is later than forecast due to the requested change in the junction box and to difficulties inserting the probe support into some beam tubes.

The current schedule for 7 magnets is 2 February 2006. This is later than forecast due to the requested change in the junction box and to difficulties inserting the probe support into some beam tubes.

The current schedule for 9 magnets is either before the 2006 shutdown or immediately following. This schedule has been slowed by difficulties in the emergency stacking of cores for the P-Bar Source pulsed dipole.

Next meeting will be Thursday, 2 February 2006, at 9:00 in the Industrial Building 2 conference room.